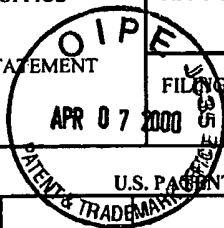


PTO-1449 (Modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT	ATTY. DOCKET NO. 00295.77957	SERIAL NUMBER 09/210,747
	APPLICANT Briggs and Tatum	
	FILING DATE 9/25/98	GROUP ART UNIT 1645



U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>VB</i>	Cruz et al., Nov. 1990, Molecular Microbiology, Vol. 4(11), pages 1933-1939	<i>Duplicate</i>
<i>VB</i>	Gentry et al., Vet. Microbiol., April 1988, vol. 16(4), pages 351-367	<i>Duplicate</i>

EXAMINER 	DATE CONSIDERED 3/04
EXAMINER: Initial citation if reference was considered. Draw line through citation if not in conformance to MPEP 609 and not considered. Include copy of this form with next communication to applicant.	

Copies

Applicant

Sheet 1 of 7

PTO-1449 (Modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT	ATTY. DOCKET NO. 00295.77957	SERIAL NUMBER 09/210,747
	APPLICANT Briggs and Tatum	
	FILING DATE 12/15/98	GROUP ART UNIT 11647/1645

JC549 U.S. PTO
09/210747



U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
160	4,293,545	10/06/81	Kucera			
	4,335,106	06/15/82	Kucera			
	4,346,074	08/24/82	Gilmour et al.			
	4,388,299	06/14/83	Kucera			
	4,506,017	03/19/85	Kucera			
	4,559,306	12/17/85	Kucera			
	4,626,430	12/02/86	Kucera			
	4,735,801	04/05/88	Stocker et al.			
	4,837,151	06/06/89	Stocker et al.			
	4,888,170	12/19/89	Cyriss			
	4,957,719	09/18/90	Borget et al.			
	4,999,191	03/12/91	Glisson et al.			
	5,055,400	10/08/91	Lo et al.			
	5,077,044	12/31/91	Stocker et al.			
	5,165,924	11/24/92	Shewen et al.			
5,210,035	05/11/93	Stocker				

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

161	Lindberg et al., Dev. Biol. Stand., 1995, Vol. 84, p 211-9

EXAMINER <i>Spitzer</i>	DATE CONSIDERED 2/98
EXAMINER: Initial citation if reference was considered. Draw line through citation if not in conformance to MPEP 609 and not considered. Include copy of this form with next communication to applicant.	

TYPE
 JUL 02 2003
 PATENT & TRADEMARK OFFICE

File

PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
Application Number	09/210,747				
Filing Date	December 15, 1998				
First Named Inventor	BRIGGS				
Group Art Unit	1645				
Examiner Name	V. Portner				
Attorney Docket Number	000295.77957				
Sheet	1	of	1		

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. ¹	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
1/20		US- 6,331,303	December 18, 2001	Briggs & Tatum	
		US 6,495,145	December 17, 2002	Briggs & Tatum	
		US 6,573,083	June 3, 2003	Briggs & Tatum	
		20020150584	October 17, 2002	Briggs & Tatum	

RECEIVED

JUL 08 2003

FOREIGN PATENT DOCUMENTS					
Examiner Initials *	Cite No. ¹	Foreign Patent Document Country Code ² - Number ³ - Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

RECEIVED CENTER 1600/2900

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
1/8P		Lo et al., "Cloning and expression of the leukotoxin gene of Pasteurella haemolytica A1 in Escherichia coli K-12," Infect Immun 1985 Dec;50(3):667-71, ✓	
		Lo et al., "Nucleotide sequence of the leukotoxin genes of Pasteurella haemolytica A1," Infect Immun 1987 Sep;55(9):1987-96 ✓	
		Strathdee & Lo, "Cloning, nucleotide sequence, and characterization of genes encoding the secretion function of the Pasteurella haemolytica leukotoxin determinant," J Bacteriol 1989 Feb;171(2):916-28 ✓	
✓		Highlander et al., "Secretion and expression of the Pasteurella haemolytica Leukotoxin," J. Bacteriol. 172, 2343-50, 1990 ✓	

Examiner Signature		Date Considered	8/03
--------------------	--	-----------------	------

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

PTO-1449 (Modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT	ATTY. DOCKET NO. 00295.77957	SERIAL NUMBER 09/20747
	APPLICANT Briggs and Tatum	
	FILING DATE 12/15/98	GROUP ART UNIT 1647/1648

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
VB	5,468,485	11/21/95	Curtiss, III			
↓	5,389,368	2/14/95	Curtiss, III			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

VB	Chang et al., "Pneumonic pasteurellosis: Examination of typable and untypable <i>Pasteurella haemolytica</i> strains for Leukotoxin Production, Plasmic Content, and Antimicrobial Susceptibility," <i>Am. J. Vet. Res.</i> , 48(3):378-384 (1987)
	Homchampa et al., "Molecular Analysis of the <i>araD</i> Gene of <i>Pasteurella Multocida</i> and Vaccine Potential of a Constructed <i>araD</i> Mutant," <i>Molecular Microbiology</i> , 6(23):3585-3593 (1992)
	Briggs et al., "Isolation of a Cryptic Plasmic from <i>Pasteurella haemolytica</i> by Electroporation," Abstract, 72nd Annual Meeting of the Conference of Research Workers in Animal Disease, 11/11/91
	Livrelli et al., "Sequence and Molecular Characterization of the ROB-1 β -Lactamase Gene from <i>Pasteurella Haemolytica</i> ," <i>Antimicrobial Agents and Chemotherapy</i> , 35(2):242-251 (1991)
	Rickets et al., "Leukotoxin and Pathogenicity of <i>Pasteurella Haemolytica</i> : Studies with a Leukotoxin Non-Producing Mutant", Abstract, 3rd International Veterinary Symposium, PS 7.19, p. 92 (1993)
	Frey, "Construction of a Broad Host Range Shuttle Vector for Gene Cloning and Expression in <i>Actinobacillus pleuropneumoniae</i> and Other <i>Pasteurellaceae</i> ," <i>Res. Microbiol</i> 143:263-269 (1992)
	Craig et al., "A Plasmic Which Can Be Transferred Between <i>Escherichia coli</i> and <i>Pasteurella haemolytica</i> by Electroporation and Conjugation," <i>J. Gen. Microbiology</i> , 135:2885-2890 (1989)
	Boyce et al., "Plasmid Profile Analysis of Bovine Isolates of <i>Pasteurella haemolytica</i> ," <i>Am. J. Vet. Res.</i> , 47(6):1204-1206 (1986)
	Schwarz, et al., "Detection and Interspecies-Transformation of a β -Lactamase-Encoding Plasmid from <i>Pasteurella haemolytica</i> ," <i>Zbl. Bakt. Hyg. A</i> , 270:462-469 (1989)
	Haghour et al., "Plasmids and Resistance to 9 Chemotherapeutic Agents of <i>Pasteurella multocida</i> and <i>Pasteurella haemolytica</i> ," <i>J. Vet. Med. B</i> 34:509-518 (1987)
↓	Azad et al., "Distinct Plasmic Profiles of <i>Pasteurella haemolytica</i> Serotypes and the Characterization and Amplification of <i>Escherichia coli</i> of Ampicillin-Resistance Plasmids Encoding ROB-1 β -lactamase," <i>J. Gen. Microbiology</i> , 138:1185-1196 (1992)

EXAMINER <i>J. P. Patton</i>	DATE CONSIDERED 2/98
EXAMINER: Initial citation if reference was considered. Draw line through citation if not in conformance to MPEP 609 and not considered. Include copy of this form with next communication to applicant.	

PTO-1449 (Modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT	ATTY. DOCKET NO. 00295.77957	SERIAL NUMBER 09/210,747
	APPLICANT Briggs and Tatum	
	FILING DATE 12/15/98	GROUP ART UNIT 11647/1645

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
BP	5,424,065	6/13/95	Curtiss, III			
BP	5,210,035	5/11/93	Stocker			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

BP	Hoiseth et al., "Aromatic-dependent <i>Salmonella typhimurium</i> are Non-Virulent and Effective as Live Vaccines," <i>Nature</i> , 291:238-239 (1981)
	Smith et al., "Vaccination of Calves Against <i>Salmonella dublin</i> With Aromatic-Dependent <i>Salmonella typhimurium</i> ," <i>Am. J. Vet. Res.</i> , 45(9):1858 (1984)
	Roberts et al., "Construction and Characterization in vivo of <i>Bordetella pertussis aroA</i> Mutants," <i>Infection and Immunity</i> 58(3):732-738 (1990)
	Ivins et al., "Immunization against Anthrax With Aromatic Compound-Dependent (Aro) Mutants of <i>Bacillus anthracis</i> and with Recombinant Strains of <i>Bacillus subtilis</i> That Produce Anthrax Protective Antigen," <i>Infection and Immunity</i> , 58(2):303-308 (1990)
	Robertson et al., " <i>Salmonella typhimurium</i> Infection in Calves: Protection and Survival of Virulent Challenge Bacteria After Immunization with Live or Inactivated Vaccines," <i>Infection and Immunity</i> 41(2):742-750 (1983)
	O'Goers et al., "Cloning and Characterization of the <i>serC</i> and <i>aroA</i> Genes of <i>Yersinia enterocolitica</i> , and Construction of an <i>aroA</i> mutant," <i>Gene</i> 84:23-30 (1989)
	Chang et al., "Characterization of Plasmids With Antimicrobial Resistant Genes in <i>Pasteurella haemolytica</i> A1," <i>J. DNA Sequencing and Mapping</i> , 389-97 (1992)
BP	Rossmann et al., "Characterization and Comparison of Antimicrobial Susceptibilities and Outer Membrane Protein and Plasmic DNA profiles of <i>Pasteurella haemolytica</i> and Certain Other Members of the Genus <i>Pasteurella</i> ," <i>Am. J. Vet. Res.</i> , 52(12):2016-2022 (1991)

EXAMINER JPB	DATE CONSIDERED 2/98
EXAMINER: Initial citation if reference was considered. Draw line through citation if not in conformance to MPEP 609 and not considered. Include copy of this form with next communication to applicant.	

PTO-1449 (Modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT	ATTY. DOCKET NO. 00295.77957	SERIAL NUMBER 09/210,747
	APPLICANT Briggs and Tatum	
	FILING DATE 12/15/98	GROUP ART UNIT 1687645

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
VBP	5,476,657	12/19/95	Potter			
	5,543,312	8/6/96	Mellors et al.			
	5,273,889	12/28/93	Potter et al.			
	5,238,823	8/24/93	Potter et al.			
	4,999,191	3/21/91	Glisson et al.			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

VBP	Tatum et al., "Isolation, Identification, and Cloning of a Non-Palindromic Type II DNA Restriction Endonuclease <i>Pha I</i> , From <i>Pasteurella haemolytica</i> ", Abstract of presentation at American Society for Microbiology, Annual Meeting, May 1993

EXAMINER	<i>[Signature]</i>	DATE CONSIDERED	2/99
EXAMINER: Initial citation if reference was considered. Draw line through citation if not in conformance to MPEP 609 and not considered. Include copy of this form with next communication to applicant.			

PTO-1449 (Modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT	ATTY. DOCKET NO. 00295.77957	SERIAL NUMBER 09/210,747
	APPLICANT Briggs and Tatum	
	FILING DATE 12/15/98	GROUP ART UNIT 1805 16847/1645

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE

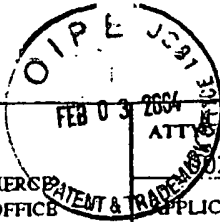
FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

✓	Old, et al., "Principles of Gene Manipulation", Blackwell Scientific Publications, Oxford, 1989
✓	Lunnen et al., "Cloning Type-II Restriction and Modificaiton Genes", <i>Gene</i> 74:25-32 (1988)
✓	Homchampa et al., "Construction and Vaccine Potential of an AroA Mutant of <i>Pasteurella haemolytica</i> ", <i>Veterinary Microbiology</i> 42:35-44 (1994)
✓	International Search Report for PCT/US94/14095 dated May 2, 1995

EXAMINER	<i>J. R. Tate</i>	DATE CONSIDERED	2/98
EXAMINER: Initial citation if reference was considered. Draw line through citation if not in conformance to MPEP 609 and not considered. Include copy of this form with next communication to applicant.			

Sheet 1 of 7

PTO-1449 (Modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT	ATTORNEY DOCKET NO. 295.77957	SERIAL NUMBER
	APPLICANT Briggs and Tatum	
	FILING DATE 12/15/98	GROUP ART UNIT

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
	4,293,545	10/06/81	Kucera			
	4,335,106	06/15/82	Kucera			
	4,346,074	08/24/82	Gilmour et al.			
	4,388,299	06/14/83	Kucera			
	4,506,017	03/19/85	Kucera			
	4,559,306	12/17/85	Kucera			
	4,626,430	12/02/86	Kucera			
	4,735,801	04/05/88	Stocker et al.			
	4,837,151	06/06/89	Stocker et al.			
	4,888,170	12/19/89	Curtiss			
	4,957,739	09/18/90	Berget et al.			
	4,999,191	03/12/91	Glisson et al.			
	5,055,400	10/08/91	Lo et al.			
	5,077,044	12/31/91	Stocker et al.			
	5,165,924	11/24/92	Shewen et al.			
	5,210,005	05/11/93	Stocker			

RECEIVED

FEB 9 - 2004

TECH CENTER 1500/2900

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Lindberg et al., Dev. Biol. Stand., 1995, Vol. 84, p 211-9

EXAMINER	DATE CONSIDERED
EXAMINER: Initial citation if reference was considered. Draw line through citation if not in conformance to MPEP 609 and not considered. Include copy of this form with next communication to applicant.	

PTO-1449 (Modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT	ATTY. DOCKET NO. 00295,77957	SERIAL NUMBER
	APPLICANT Briggs and Tatum	
	FILING DATE 12/15/98	GROUP ART UNIT

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
	5,468,485	11/21/95	Curtiss, III			
	5,389,368	2/14/95	Curtiss, III			

RECEIVED

FEB 9 - 2004

TECH CENTER 1600/2901

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Chang et al., "Pneumonic pasteurellosis: Examination of typable and untypable <i>Pasteurella haemolytica</i> strains for Leukotoxin Production, Plasmic Content, and Antimicrobial Susceptibility," <i>Am. J. Vet. Res.</i> , 48(3):378-384 (1987)
	Homchampa et al., "Molecular Analysis of the <i>araA</i> Gene of <i>Pasteurella Multocida</i> and Vaccine Potential of a Constructed <i>araA</i> Mutant," <i>Molecular Microbiology</i> , 6(23):3585-3593 (1992)
	Briggs et al., "Isolation of a Cryptic Plasmic from <i>Pasteurella haemolytica</i> by Electroporation," Abstract, 72nd Annual Meeting of the Conference of Research Workers in Animal Disease, 11/11/91
	Livrelli et al., "Sequence and Molecular Characterization of the ROB-1 β -Lactamase Gene from <i>Pasteurella Haemolytica</i> ," <i>Antimicrobial Agents and Chemotherapy</i> , 35(2):242-251 (1991)
	Rickets et al., "Leukotoxin and Pathogenicity of <i>Pasteurella Haemolytica</i> : Studies with a Leukotoxin Non-Producing Mutant", Abstract, 3rd International Veterinary Symposium, PS 7.19, p. 92 (1993)
	Frey, "Construction of a Broad Host Range Shuttle Vector for Gene Cloning and Expression in <i>Actinobacillus pleuropneumoniae</i> and Other <i>Pasteurellaceae</i> ," <i>Res. Microbiol</i> 143:263-269 (1992)
	Craig et al., "A Plasmic Which Can Be Transferred Between <i>Escherichia coli</i> and <i>Pasteurella haemolytica</i> by Electroporation and Conjugation," <i>J. Gen. Microbiology</i> , 135:2885-2890 (1989)
	Boyce et al., "Plasmid Profile Analysis of Bovine Isolates of <i>Pasteurella haemolytica</i> ," <i>Am. J. Vet. Res.</i> , 47(6):1204-1206 (1986)
	Schwarz, et al., "Detection and Interspecies-Transformation of a β -Lactamase-Encoding Plasmid from <i>Pasteurella haemolytica</i> ," <i>Zbl. Bakt. Hyg. A</i> , 270:462-469 (1989)
	Haghour et al., "Plasmids and Resistance to 9 Chemotherapeutic Agents of <i>Pasteurella multocida</i> and <i>Pasteurella haemolytica</i> ," <i>J. Vet. Med. B</i> 34:509-518 (1987)
	Azad et al., "Distinct Plasmic Profiles of <i>Pasteurella haemolytica</i> Serotypes and the Characterization and Amplification of <i>Escherichia coli</i> of Ampicillin-Resistance Plasmids Encoding ROB-1 β -lactamase," <i>J. Gen. Microbiology</i> , 138:1185-1196 (1992)

EXAMINER	DATE CONSIDERED
EXAMINER: Initial citation if reference was considered. Draw line through citation if not in conformance to MPEP 609 and not considered. Include copy of this form with next communication to applicant.	

PTO-1449 (Modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT	ATEY. DOCKET NO. 00295.77957	SERIAL NUMBER
	APPLICANT Briggs and Tatum	
	FILING DATE 12/15/98	GROUP ART UNIT

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
	5,424,065	6/13/95	Curtiss, III			
	5,210,035	5/11/93	Stocker			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Hoiseh et al., "Aromatic-dependent <i>Salmonella typhimurium</i> are Non-Virulent and Effective as Live Vaccines," <i>Nature</i> , 291:238-239 (1981)
	Smith et al., "Vaccination of Calves Against <i>Salmonella dublin</i> With Aromatic-Dependent <i>Salmonella typhimurium</i> ," <i>Am. J. Vet. Res.</i> , 45(9):1858 (1984)
	Roberts et al., "Construction and Characterization in vivo of <i>Bordetella pertussis</i> <i>aroA</i> Mutants," <i>Infection and Immunity</i> 58(3):732-738 (1990)
	Ivins et al., "Immunization against Anthrax With Aromatic Compound-Dependent (<i>Aro</i>) Mutants of <i>Bacillus anthracis</i> and with Recombinant Strains of <i>Bacillus subtilis</i> That Produce Anthrax Protective Antigen," <i>Infection and Immunity</i> , 58(2):303-308 (1990)
	Robertsson et al., " <i>Salmonella typhimurium</i> Infection in Calves: Protection and Survival of Virulent Challenge Bacteria After Immunization with Live or Inactivated Vaccines," <i>Infection and Immunity</i> 41(2):742-750 (1983)
	O'Gaora et al., "Cloning and Characterization of the <i>serC</i> and <i>aroA</i> Genes of <i>Yersinia enterocolitica</i> , and Construction of an <i>aroA</i> mutant," <i>Gene</i> 84:23-30 (1989)
	Chang et al., "Characterization of Plasmids With Antimicrobial Resistant Genes in <i>Pasteurella haemolytica</i> A1," <i>J. DNA Sequencing and Mapping</i> , 389-97 (1992)
	Rossmann et al., "Characterization and Comparison of Antimicrobial Susceptibilities and Outer Membrane Protein and Plasmic DNA profiles of <i>Pasteurella haemolytica</i> and Certain Other Members of the Genus <i>Pasteurella</i> ," <i>Am. J. Vet. Res.</i> , 52(12):2016-2022 (1991)

RECEIVED

FEB 9 - 2004

TECH CENTER 1600/2900

EXAMINER	DATE CONSIDERED
EXAMINER: Initial citation if reference was considered. Draw line through citation if not in conformance to MPEP 609 and not considered. Include copy of this form with next communication to applicant.	

PTO-1449 (Modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT	ATTY. DOCKET NO. 00295.77957	SERIAL NUMBER
	APPLICANT Briggs and Tatum	
	FILING DATE 12/15/98	GROUP ART UNIT

U.S. PATENT DOCUMENTS

[illegible]

RECEIVED
FEB 9 - 2004
TECH CENTER 1600/2900

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Yang et al., J. Bact., 160(1): 15-21 (1984)
	Matsushima et al., J Bact., 169(5):2298-2300 (1987)
	Marmelstein et al., Appl. Environ. Micro., (59/4): 1077-1081 (1993)
	Wilson, Gene 74: 281 - 289 (1988)
	Marra et al., J. Bact., 171/4:2238 - 2240 (1989)

EXAMINER	DATE CONSIDERED
<p>EXAMINER: Initial citation if reference was considered. Draw line through citation if not in conformance to MPEP 609 and not considered. Include copy of this form with next communication to applicant.</p>	

EXAMINER	DATE CONSIDERED
<p>EXAMINER: Initial citation if reference was considered. Draw line through citation if not in conformance to MPEP 609 and not considered. Include copy of this form with next communication to applicant.</p>	

PTO-1449 (Modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT	ATTY. DOCKET NO. 00295.77957	SERIAL NUMBER
	APPLICANT Briggs and Tatum	
	FILING DATE 12/15/98	GROUP ART UNIT 1805

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO

RECEIVED

FEB 9 - 2004

TECH CENTER 1600

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Old, et al., "Principles of Gene Manipulation", Blackwell Scientific Publications, Oxford, 1989
	Lunnen et al., "Cloning Type-II Restriction and Modification Genes", <i>Gene</i> 74:25-32 (1988)
	Homchampa et al., "Construction and Vaccine Potential of an AroA Mutant of <i>Pasteurella haemolytica</i> ", <i>Veterinary Microbiology</i> 42:35-44 (1994)
	International Search Report for PCT/US94/14095 dated May 2, 1995

EXAMINER	DATE CONSIDERED
EXAMINER: Initial citation if reference was considered. Draw line through citation if not in conformance to MPEP 609 and not considered. Include copy of this form with next communication to applicant.	